

ARCS PROCEDURE	TROUBLESHOOTING MPL	PRO(MPL)-021.000
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Troubleshooting MPL

I. Purpose:

This procedure describes how to troubleshoot the MPL Spectra-Physics Laser at the Manus, Nauru, and Darwin CART Sites.

II. Cautions and Hazards:

None.

III. Requirements:

- Remote laser handset.

IV. Procedure:

A. Troubleshooting MPL

1. Make sure the word "Emission" is lit on the remote laser handset. If not, follow the steps below:
 - a) Press the Diode Power button.
 - b) Wait for at least three seconds. The "Emission" light should come on.
2. Make sure the laser is set to the "Pulse" mode. If not, follow the steps below:
 - a) Locate the Pulse button at the lower right of the handset.
 - b) Press the button to set the laser to the "Pulse" mode.
3. Locate a button located just above the word "Control." For the purpose of this procedure, name the button the "Control button."
4. Press and hold the Control button until the word "WATTS" appears.
 - a) Using the arrow buttons, adjust the WATTS setting to 1.00.
5. Press the Control button to display the PRF setting.
 - a) Using the arrow buttons, set the value to 2500.
6. Press and hold the Control button until the word "STATUS" appears.
 - a) Press the down-arrow button until the following parameters and their values are displayed:
⇒ PWRT:

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- ⇒ HRS1:
- ⇒ PWR1:
- ⇒ CUR1:
- ⇒ TMP1:
- ⇒ MODE:
- ⇒ GPIP:
- ⇒ SYNC:
- ⇒ FDBK:
- ⇒ BAUD:
- ⇒ PRTY:
- ⇒ DBIT:
- ⇒ SBIT:
- ⇒ FLBD:

- b) Record the values for each of the parameters above and report them to TWPPO as part of Weekly Rounds.

V. References:

1. Nauru Weekly Rounds Checklist, PRO(ARCS)-027.
2. Nauru Weekly Rounds Fax Sheet, FM(OPS)-014.

VI. Attachments:

None.